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### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)		
9551-022-27 International application No.	International filing date (day/mo			
20.7				
PCT/US04/20718  International Patent Classification (IPC)	PCT/US04/20718 28 June 2004 (28.06.2004) 27 June 2003 (27.06.2003) International Patent Classification (IPC) or national classification and IPC			
IPC(7): A61K 31/4425; C07D 312/20, 21		5: 514/358		
Applicant	(3/30 tale 00 011 0 100 12,0 1 1,0 1	-,		
HENRY M. JACKSON FOUNDATION	FOR THE ADVANCEMENT OF	F MILITARY MEDICINE, INC.		
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.				
2. This REPORT consists of	a total of $\underline{3}$ sheets, including	g this cover sheet.		
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  These annexes consist of a total of sheets.				
3. This report contains indic	ations relating to the following	gitems:		
	I Basis of the report			
II Priority				
	III Non-establishment of report with regard to novelty, inventive step and industrial applicability			
IV Lack of unity of invention				
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement				
VI Certain documents cited				
VII Certain defects in the international application				
VIII Certain observations on the international application				
Date of submission of the demand	Da	ate of completion of this report		
27 January 2005 (27.01.2005)		10 January 2006 (10.01.2006)		
Name and mailing address of the IPEA/US  Mail Stop PCT, Attn: IPEA/ US		Authorized officer		
Commissioner for Patents P.O. Box 1450	Pe	Patricia L. Morris Janel TERLA		
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Te	Patricia L. Morris Janel Fores Telephone No. (571) 272-1600		
Form PCT/IPEA/409 (cover sheet)(July	1998)			

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### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US04/20718	

I.	Basis	s of the report	
1.	With	regard to the elements of the international application:*	
	$\boxtimes$	the international application as originally filed.	
	$\boxtimes$	the description:	
		pages 1-49 as originally filed	
		pages NONE , filed with the demand pages NONE , filed with the letter of .	
	$\square$	the claims:	
		pages 50-59, as originally filed	
		pages NONE as amended (together with any statement) under Article 19	
		pages NONE , filed with the demand	
		pages NONE, filed with the letter of	
	$\boxtimes$	the drawings:	
		pages 1-2 , as originally filed pages NONE , filed with the demand	
		pages NONE , filed with the letter of	
		the sequence listing part of the description:	
		pages NONE , as originally filed	
		pages NONE, filed with the demand pages NONE, filed with the letter of	
2.	With	a regard to the language, all the elements marked above were available or furnished to this Authority in the	
	lang	uage in which the international application was filed, unless otherwise indicated under this item.	
	The	se elements were available or furnished to this Authority in the following language which is:	
	Ш	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).	
		the language of publication of the international application (under Rule 48.3(b)).	
	Ш	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).	
3.	With inter	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the mational preliminary examination was carried out on the basis of the sequence listing:	
٠		contained in the international application in printed form.	
		filed together with the international application in computer readable form.	
		furnished subsequently to this Authority in written form.	
		furnished subsequently to this Authority in computer readable form.	
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.	
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.	
4.		The amendments have resulted in the cancellation of:	
		the description, pages NONE	
		the claims, Nos. NONE	
		the drawings, sheets/fig NONE	
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go	
*	Renla	beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**  scement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in	
this report as "originally filed" and are not amexed to this report since they do not contain amendments (Rules 70.16 and 70.17).  ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.			

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### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Form PCT/IPEA/409 (Box V) (July 1998)

International application No. PCT/US04/20718

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. STATEMENT				
Novelty (N)	Claims	1-44	YES	
	Claims	NONE	NO	
Inventive Step (IS)	Claims	NONE	YES	
• • •	Claims	1-44	NO	
Industrial Applicability (IA)	Claims	1-44	YES	
	Claims	NONE	NO	
2. CITATIONS AND EXPLANATIONS Claims 1-44 meet the criteria set out in PCT Article 33(2), because the prior art does not anticipate the compounds.  Claims 1-44 lack an inventive step under PCT Article 33(3) as being obvious over Amitai et al. in view of Brouillete et al. Amitai et at teach the corresponding position isomers wherein the ester is attached at the 3-position of the pyridinium ring instead of the instant hydrogen. Note compound IOMN in line 3, page 75 of the reference. Brouillette et al. teach the art recognized equivalence of the ester versus hydrogen on the 3-position of the pyridinium ring. Note compounds 190 and 213 in column 3 therein. It would be obvious to replace the ester of Amitai et al. with hydrogen on the pyridinium ring as taught by Brouillette et al. to form the instant compound without the loss of the same activity.  Claims 1-44 the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.  NEW CITATIONS  NEW CITATIONS  NEW CITATIONS				